```
=> d hist

        (FILE 'HOME' ENTERED AT 15:13:09 ON 22 DEC 2006)

        FILE 'REGISTRY' ENTERED AT 15:13:20 ON 22 DEC 2006
                      E "EOSIN"/CN 25
L1              1 S E3
                      E "EOSIN"/CN 25
                      E "BENZALKONIUM CHLORIDE"/CN 25
L2              1 S E3
                      E "BENZALKONIUM CHLORIDE"/CN 25
                      E "POLYHEXAMETHYLENE BIGUANIDE"/CN 25
L3              1 S E4
                      E "POLYHEXAMETHYLENE BIGUANIDE"/CN 25
                      E "POLYHEXAMETHYLENEBIGUANIDE"/CN 25
L4              1 S E2
                      SEL L1 CHEM


        FILE 'CAPLUS' ENTERED AT 15:22:14 ON 22 DEC 2006
L5          1396 S 17372-87-1/BIOL,ANST
L6             0 S 8001-54-5/ANST,BIOL
L7            64 S 57029-18-2/BIOL,ANST
L8             0 S L7 AND L5

        INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
        AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
        CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
        DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 15:23:54 ON 22 DEC 2006
                      SEA (EOSIN### OR BROMOEOSIN##) (S) ((ALKYLBENZYLDIMETHYLAMMONIU
                      ---------
                 2    FILE ANABSTR
                 1    FILE BIOSIS
                 1    FILE BIOTECHNO
                 3    FILE CAPLUS
                 1    FILE DDFB
                 2    FILE DDFU
                 1    FILE DRUGB
                 3    FILE DRUGU
                 1    FILE EMBASE
                 2    FILE ESBIOBASE
                 1    FILE LIFESCI
                 5    FILE PASCAL
                 1    FILE SCISEARCH
                 7    FILE USPATFULL
                 1    FILE VETU
                 2    FILE WPIDS
                 2    FILE WPINDEX
L9                    QUE (EOSIN### OR BROMOEOSIN##) (S) ((ALKYLBENZYLDIMETHYLAMMONIU
                      ---------

        FILE 'USPATFULL, PASCAL, CAPLUS, DRUGU, ANABSTR, ESBIOBASE, WPIDS,
        BIOSIS, BIOTECHNO, DDFB, DRUGB, EMBASE, LIFESCI, SCISEARCH, VETU' ENTERED
        AT 15:33:09 ON 22 DEC 2006
L10           32 S L9
L11           29 S L10 NOT PY>2003
L12           19 DUP REM L11 (10 DUPLICATES REMOVED)

=> s (eosin### or bromoeosin##) (s) (polyhexamethylene (4a) biguanidin##)
L13            0 (EOSIN### OR BROMOEOSIN##) (S) (POLYHEXAMETHYLENE (4A) BIGUANIDI
                 N##)

=> d hist full

        (FILE 'HOME' ENTERED AT 15:13:09 ON 22 DEC 2006)
```

```
       FILE 'REGISTRY' ENTERED AT 15:13:20 ON 22 DEC 2006
                   SET LINE 250
                   SET DETAIL OFF
                   E "EOSIN"/CN 25
                   SET NOTICE 1000 SEARCH
L1               1 SEA ABB=ON   PLU=ON   EOSIN/CN
                   SET NOTICE 1 DISPLAY
                   SET LINE LOGIN
                   SET DETAIL LOGIN
                   DIS L1 1 SQIDE
                   SET LINE 250
                   SET DETAIL OFF
                   E "EOSIN"/CN 25
                   E "BENZALKONIUM CHLORIDE"/CN 25
L2               1 SEA ABB=ON   PLU=ON   "BENZALKONIUM CHLORIDE"/CN
                   SET LINE LOGIN
                   SET DETAIL LOGIN
                   DIS L2 1 SQIDE
                   SET LINE 250
                   SET DETAIL OFF
                   E "BENZALKONIUM CHLORIDE"/CN 25
                   E "POLYHEXAMETHYLENE BIGUANIDE"/CN 25
L3               1 SEA ABB=ON   PLU=ON   "POLYHEXAMETHYLENE BIGUANIDE, SRU"/CN
                   SET LINE LOGIN
                   SET DETAIL LOGIN
                   DIS L3 1 SQIDE
                   SET LINE 250
                   SET DETAIL OFF
                   E "POLYHEXAMETHYLENE BIGUANIDE"/CN 25
                   E "POLYHEXAMETHYLENEBIGUANIDE"/CN 25
L4               1 SEA ABB=ON   PLU=ON   "POLYHEXAMETHYLENE BIGUANIDINE HYDROCHLORID
                   E"/CN
                   SET LINE LOGIN
                   SET DETAIL LOGIN
                   DIS L4 1 SQIDE
                   SET NOTICE LOGIN DISPLAY
                   SET NOTICE LOGIN SEARCH
                   SEL L1 CHEM


       FILE 'CAPLUS' ENTERED AT 15:22:14 ON 22 DEC 2006
L5            1396 SEA ABB=ON   PLU=ON   17372-87-1/BIOL,ANST
L6               0 SEA ABB=ON   PLU=ON   8001-54-5/ANST,BIOL
L7              64 SEA ABB=ON   PLU=ON   57029-18-2/BIOL,ANST
L8               0 SEA ABB=ON   PLU=ON   L7 AND L5

       INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
       AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
       CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
       DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 15:23:54 ON 22 DEC 2006
                   SEA (EOSIN### OR BROMOEOSIN##) (S) ((ALKYLBENZYLDIMETHYLAMMONIU
                   ---------
                   2     FILE ANABSTR
                   1     FILE BIOSIS
                   1     FILE BIOTECHNO
                   3     FILE CAPLUS
                   1     FILE DDFB
                   2     FILE DDFU
                   1     FILE DRUGB
                   3     FILE DRUGU
                   1     FILE EMBASE
                   2     FILE ESBIOBASE
                   1     FILE LIFESCI
                   5     FILE PASCAL
```

```
        1    FILE SCISEARCH
        7    FILE USPATFULL
        1    FILE VETU
        2    FILE WPIDS
        2    FILE WPINDEX
L9        QUE ABB=ON  PLU=ON  (EOSIN### OR BROMOEOSIN##) (S) ((ALKYLBENZY
          LDIMETHYLAMMONIUM OR ALKYLDIMETHYLBENZYLAMMONIUM OR BENZALKONIU
          M))
          ----------
          D RANK
```

```
    FILE 'USPATFULL, PASCAL, CAPLUS, DRUGU, ANABSTR, ESBIOBASE, WPIDS,
    BIOSIS, BIOTECHNO, DDFB, DRUGB, EMBASE, LIFESCI, SCISEARCH, VETU' ENTERED
    AT 15:33:09 ON 22 DEC 2006
L10      32 SEA ABB=ON   PLU=ON   L9
L11      29 SEA ABB=ON   PLU=ON   L10 NOT PY>2003
L12      19 DUP REM L11 (10 DUPLICATES REMOVED)
          D L12 IBIB ABS 1-19
L13       0 SEA ABB=ON   PLU=ON   (EOSIN### OR BROMOEOSIN##) (S) (POLYHEXAMET
          HYLENE (4A) BIGUANIDIN##)
```

RN   17372-87-1   REGISTRY
CN   Spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, 2',4',5',7'-tetrabromo-
      3',6'-dihydroxy-, disodium salt (9CI)   (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Eosin Yellowish (6CI)
OTHER NAMES:
CN   11445 Red
CN   11731 Red
CN   1903 Yellow Pink
CN   Acid Red 87
CN   Aizen Eosine GH
CN   Basacid Red 316
CN   Bromo 4D
CN   Bromo 4DC
CN   Bromo 4DL
CN   Bromo acid
CN   Bromo B
CN   Bromo FL
CN   Bromo JPS
CN   Bromo TS
CN   Bromo X 100
CN   Bromo XX
CN   Bromoeosine
CN   Bromofluoresceic acid
CN   Bromofluorescein
CN   Bronze Bromo
CN   C.I. 45380
CN   C.I. Acid Red 87
CN   Certiqual Eosine
CN   Chugai Ink Red AM 5
CN   D and C Red No. 22
CN   D&C Red 22
CN   D&C Red No. 22
CN   Daiwa Red 103WB
CN   Dawn red
CN   Disodium eosin
CN   Eosin
CN   Eosin A
CN   Eosin OJ
CN   Eosin Y
CN   Eosin yellow
CN   Eosin YS
CN   Eosine
CN   Eosine 3G
CN   Eosine 3Y
CN   Eosine A
CN   Eosine BPC
CN   Eosine BS
CN   Eosine BS-SF
CN   Eosine DA
CN   Eosine DWC 73
CN   Eosine Extra Conc. A. Export
CN   Eosine Extra Yellowish
CN   Eosine FA
CN   Eosine G
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
      DISPLAY
AR   548-26-5
DR   658700-91-5, 12777-83-2, 1340-15-4, 122199-14-8, 95917-83-2, 37361-24-3,
      84932-33-2, 198831-98-0
MF   C20 H8 Br4 O5 . 2 Na
CI   COM
LC   STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS,

BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, PIRA, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL
　　　(*File contains numerically searchable property data)
　　Other Sources:　DSL**, EINECS**, TSCA**
　　　(**Enter CHEMLIST File for up-to-date regulatory information)

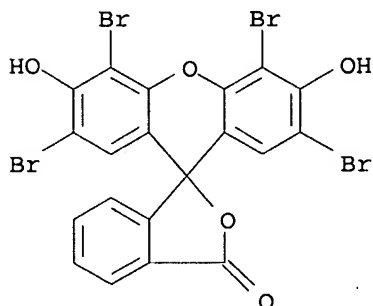DT.CA　CAplus document type:　Book; Conference; Dissertation; Journal; Patent; Preprint; Report

RL.P　Roles from patents:　ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P　Roles for non-specific derivatives from patents:　ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP　Roles from non-patents:　ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP　Roles for non-specific derivatives from non-patents:　ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

CRN　(15086-94-9)

●2　Na

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

　　　3721 REFERENCES IN FILE CA (1907 TO DATE)
　　　 157 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
　　　3801 REFERENCES IN FILE CAPLUS (1907 TO DATE)
　　　 9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2   ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN   8001-54-5 REGISTRY *
* Use of this CAS Registry Number alone as a search term in other STN files may
  result in incomplete search results. For additional information, enter HELP
  RN* at an online arrow prompt (=>).
CN   Quaternary ammonium compounds, alkylbenzyldimethyl, chlorides (CA INDEX
      NAME)
OTHER CA INDEX NAMES:
CN   Ammonium compounds, substituted, alkylbenzyldimethyl chlorides
OTHER NAMES:
CN   Alkylbenzyldimethylammonium chlorides
CN   Alkyldimethylbenzylammonium chloride
CN   Benzalkon A
CN   Benzalkonium chloride
CN   BTC
CN   BTC 471
CN   Culversan LC 80
CN   Dimanin A
CN   Genamin KDS
CN   Kemamine BAC
CN   Leda benzalkonium chloride
CN   Magna M 407
CN   Mefarol
CN   Morpan BC 50
CN   Mycosan
CN   Mycosan S
CN   Neo germ-i-tol
CN   Osvan
CN   P 3-Triquart AP
CN   Phagomucor
CN   Preventol R 80
CN   Quaternium 1
CN   Quatramine 50
CN   Rhodaquat RP 50
CN   Romergal CB
CN   Zephiran
CN   Zephiran chloride
DR   12741-06-9, 8011-91-4, 8036-90-6, 8039-63-2, 8045-21-4, 59890-14-1,
      75635-12-0, 39434-18-9
MF   Unspecified
CI   MAN, CTS
LC   STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOSIS, BIOTECHNO, CA,
        CABA, CAPLUS, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU,
        EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IPA, MEDLINE, MRCK*,
        MSDS-OHS, PS, RTECS*, SCISEARCH, TOXCENTER, ULIDAT, USAN, USPAT2,
        USPATFULL, VETU
          (*File contains numerically searchable property data)
      Other Sources: WHO
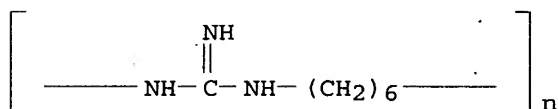DT.CA CAplus document type: Journal; Patent

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

               11 REFERENCES IN FILE CA (1907 TO DATE)
               11 REFERENCES IN FILE CAPLUS (1907 TO DATE)

```
L4    ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2006 ACS on STN
RN    57029-18-2  REGISTRY
CN    Poly(iminocarbonimidoylimino-1,6-hexanediyl monohydrochloride) (9CI)  (CA
      INDEX NAME)
OTHER NAMES:
CN    Biopag
CN    BIOR 1
CN    Guanidine hydrochloride-hexamethylenediamine copolymer, SRU
CN    Inkra-sept 28L
CN    Mucosanin
CN    Poly(hexamethyleneguanidine) hydrochloride
CN    Polyhexamethylene biguanidine hydrochloride
DR    163794-83-0, 358745-88-7
MF    (C7 H15 N3)n . Cl H
AF    (C7 H15 N3 . Cl H)n
CI    PMS, COM
PCT   Polyother, Polyother only
LC    STN Files:   BIOSIS, CA, CAPLUS, PIRA, RTECS*, TOXCENTER, USPAT2,
         USPATFULL
            (*File contains numerically searchable property data)
DT.CA  CAplus document type:  Journal; Patent
RL.P   Roles from patents:  ANST (Analytical study); BIOL (Biological study);
       OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties);
       RACT (Reactant or reagent); USES (Uses)
RLD.P  Roles for non-specific derivatives from patents:  BIOL (Biological
       study); PREP (Preparation); PRP (Properties); USES (Uses)
RL.NP  Roles from non-patents:  ANST (Analytical study); BIOL (Biological
       study); PREP (Preparation); PROC (Process); PRP (Properties); RACT
       (Reactant or reagent); USES (Uses)
RLD.NP Roles for non-specific derivatives from non-patents:  ANST (Analytical
       study); BIOL (Biological study); PREP (Preparation); USES (Uses)

**RELATED POLYMERS AVAILABLE WITH POLYLINK**
CRN   (31961-54-3)
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                ● HCl
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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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        113 REFERENCES IN FILE CA (1907 TO DATE)
         12 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
        113 REFERENCES IN FILE CAPLUS (1907 TO DATE)
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EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"6316669"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/22 13:50
L2	371	(crystal near2 violet) same gram	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/22 13:51
L3	5	L2 same eosin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/22 13:52
L4	20	L2 and eosin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/22 15:08
L5	45	stanley near2 huth	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/22 15:11
L6	1	L5 and eosin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/22 15:10
L7	127	charles near2 powell	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/22 15:11
L8	12	L7 and microb$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/22 15:12
L9	282	(eosin$3 or bromoeosin$3) same (alkylbenzyldimethyl ammonium or alkyldimethylbenzylammonium or (benzalkonium near2 chloride))	US-PGPUB; USPAT	OR	ON	2006/12/22 15:50
L10	177	L9 and (microb$ or bacteri$)	US-PGPUB; USPAT	OR	ON	2006/12/22 15:48
L11	42	L9 same (microb$ or bacteri$)	US-PGPUB; USPAT	OR	ON	2006/12/22 15:48
L12	25	(eosin$3 or bromoeosin$3) and (alkylbenzyldimethyl ammonium or alkyldimethylbenzylammonium or (benzalkonium near2 chloride))	EPO; JPO; DERWENT	OR	ON	2006/12/22 15:49

L13	0	(eosin$3 or bromoeosin$3) same (polyhexamethylene near2 biguanide)	US-PGPUB; USPAT	OR	ON	2006/12/22 15:50
L14	13	(eosin$3 or bromoeosin$3) and (polyhexamethylene near2 biguanide)	US-PGPUB; USPAT	OR	ON	2006/12/22 15:50